

FIG. 1

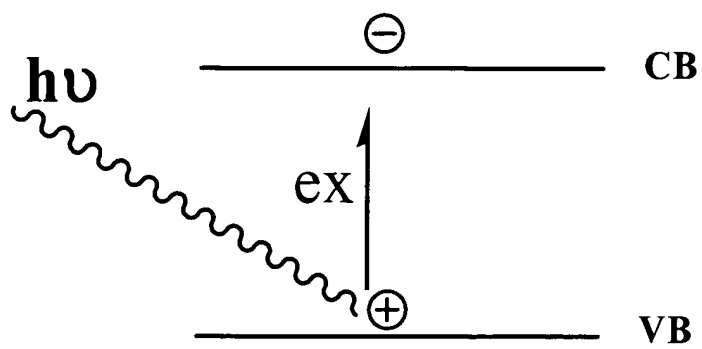


FIG. 2

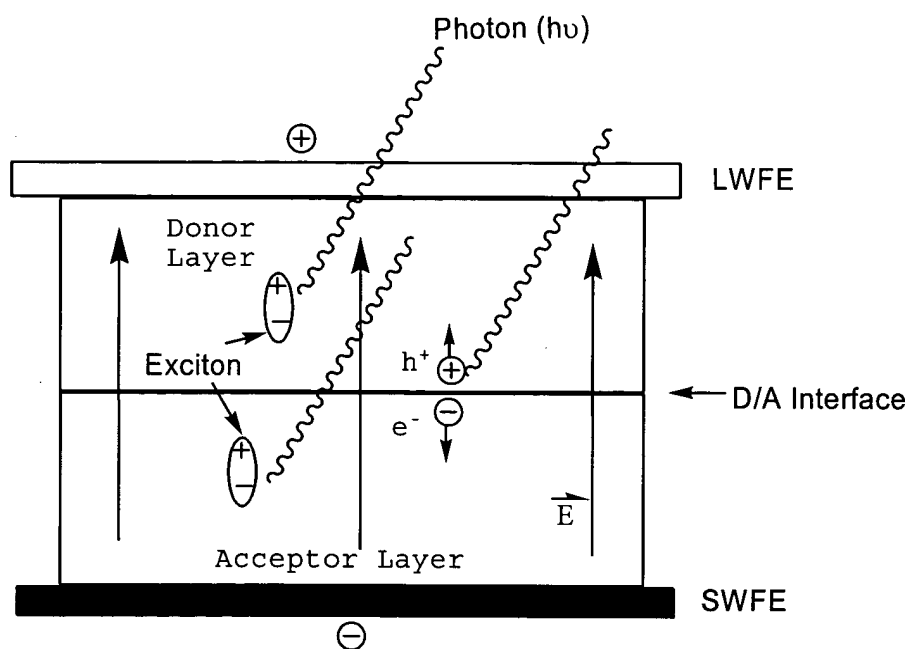


FIG. 3

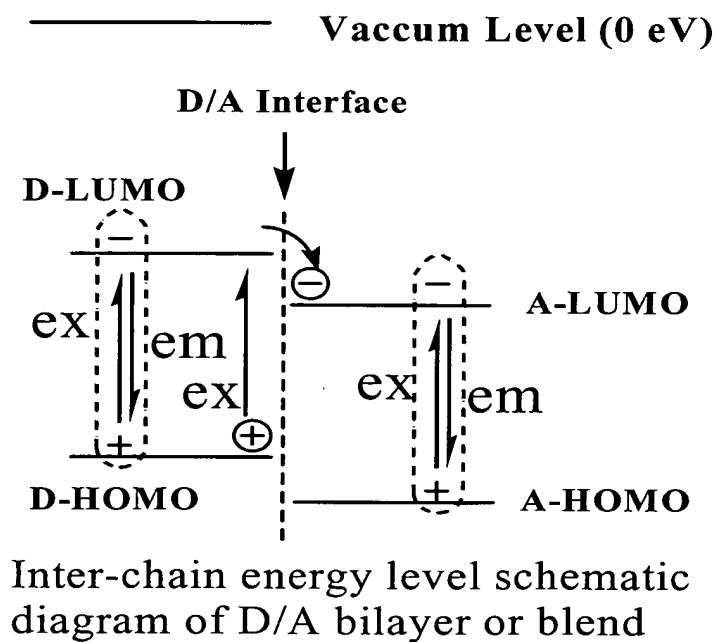


FIG. 4

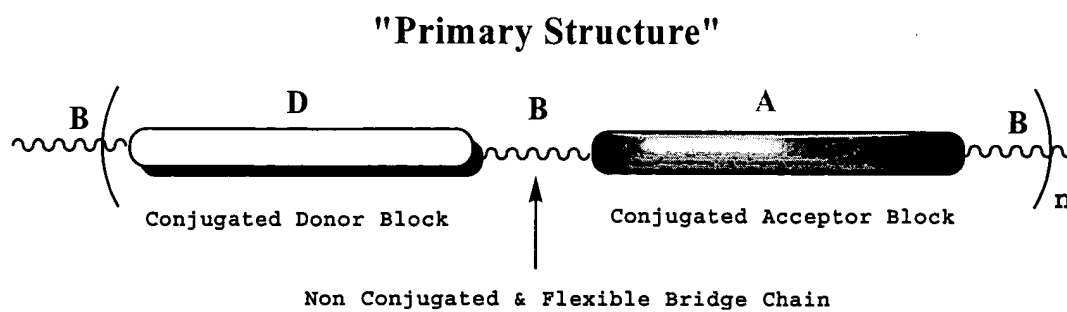
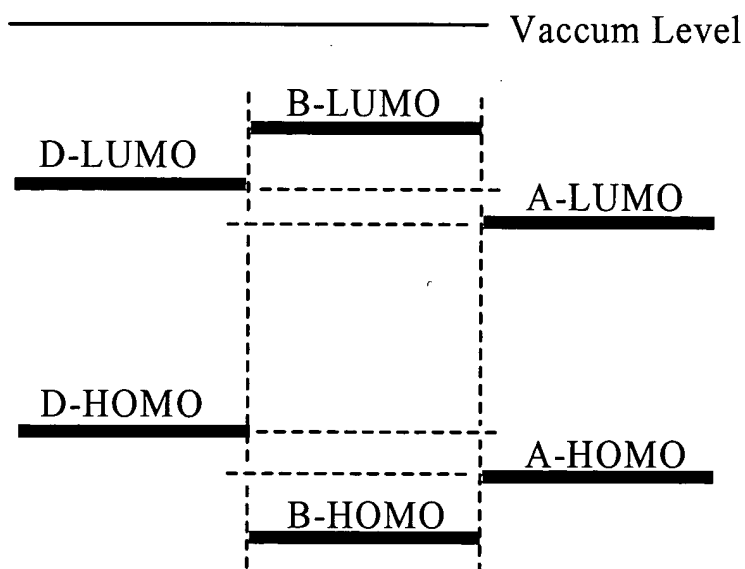


FIG. 5



Intra-chain energy level schematic diagram
of -DBAB- type block copolymer

FIG. 6

"Secondary Structure"

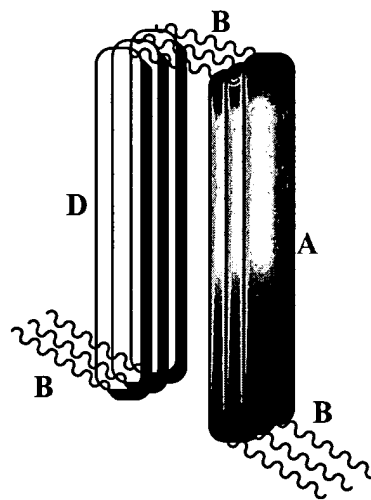
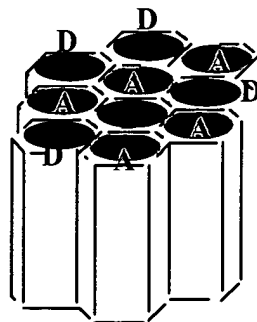


FIG. 7

"Tertiary Structure"



'HEX' Columnar Morphology

FIG. 8

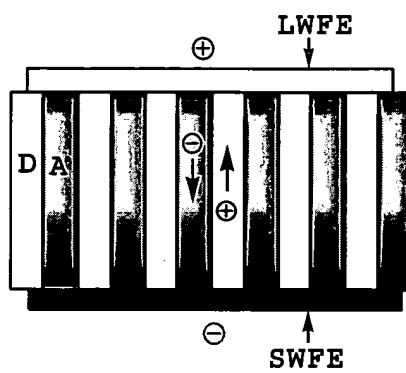


FIG. 9

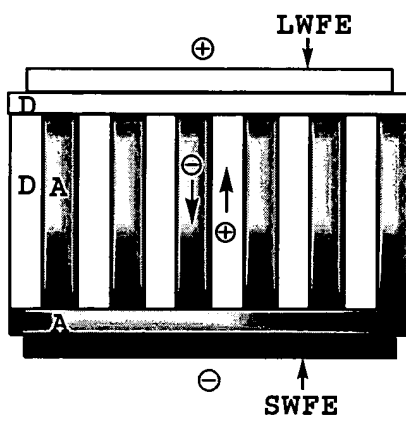
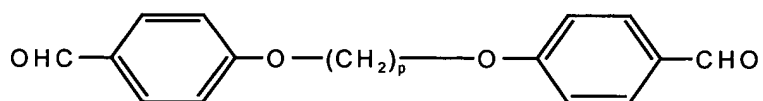
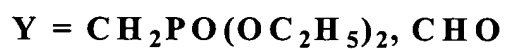
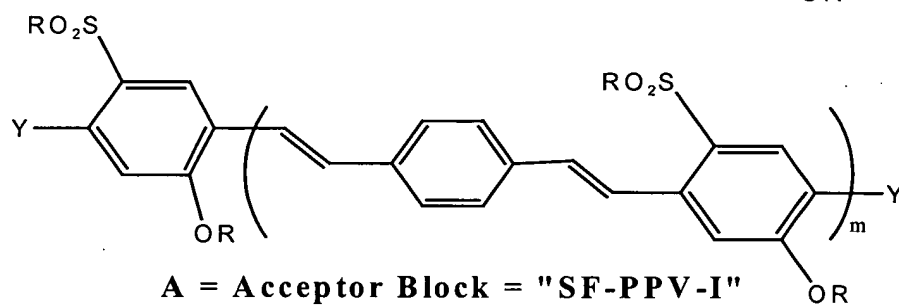
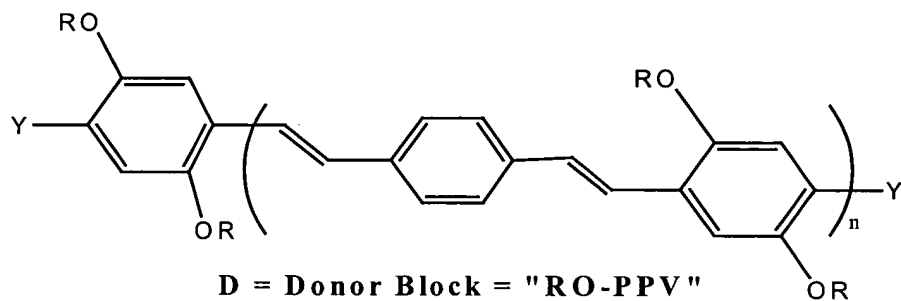
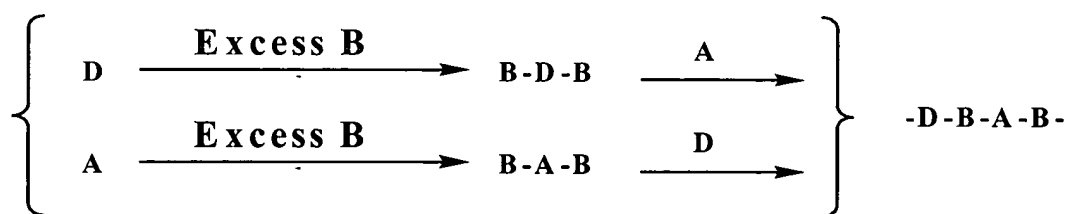
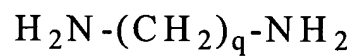


FIG. 10



B=Bridge Unit 1



B=Bridge Unit 2

FIG. 11

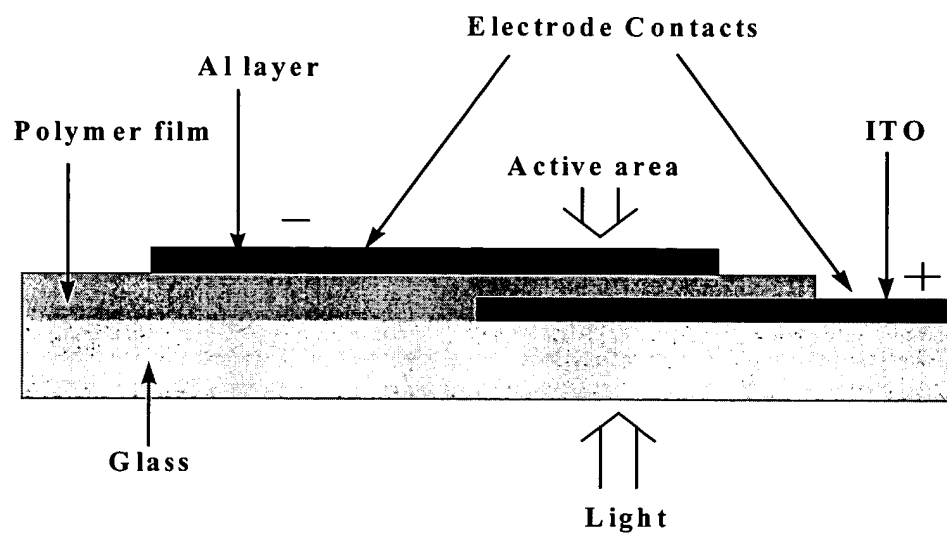


FIG. 12

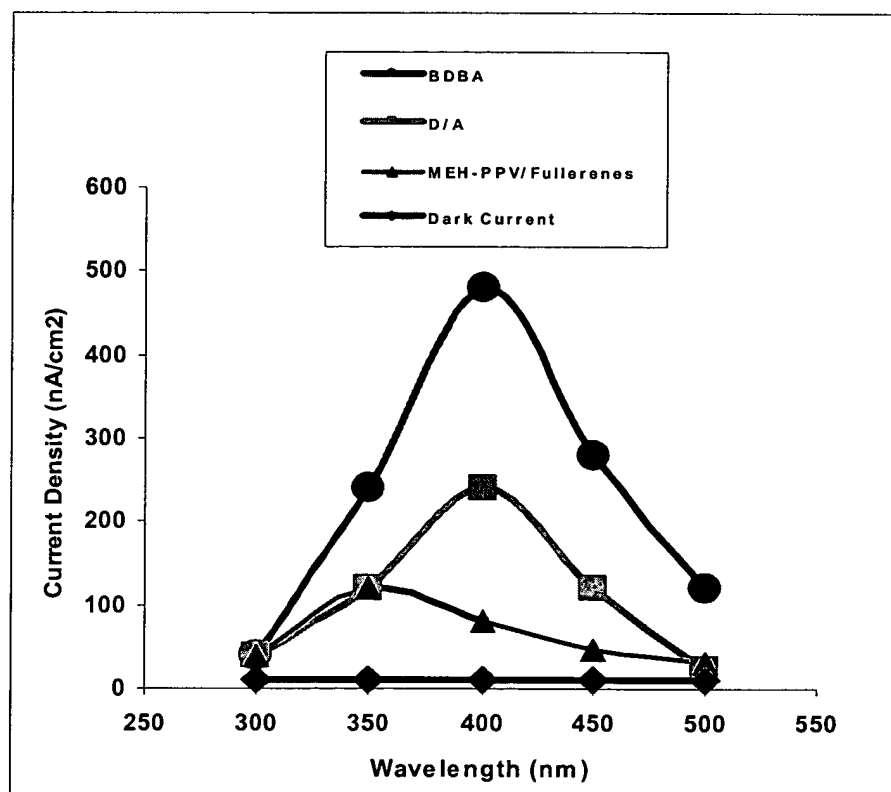


FIG. 13